



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Paul C. Kocher, Joshua M. Jaffe,
and Benjamin C. Jun

Application No.: 10/005,105

Filing Date: December 3, 2001

Title: Differential Power Analysis Method and
Apparatus

Confirmation No.: 1675

Group Art Unit: 2132

Examiner: Abdulhakim Nobahar

Attorney Docket No.: 44424162-8721

INFORMATION DISCLOSURE

STATEMENT

SONNENSCHN NATH & ROSENTHAL LLP

Customer No. 26263

M/S RCE
Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: M/S RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date given below.

August 2, 2007

date of signature

Edward J. Radlo

Edward J. Radlo, Reg. No. 26,793

Sir:

Pursuant to the provisions of 37 CFR § 1.56 and §1.97-§1.98, Applicants hereby submit patents and publications listed on the enclosed Form PTO/SB/08a of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose. This IDS is being filed simultaneously with a Request for Continued Examination under §1.114.

A list of the patents and publications is set forth on the attached Form PTO/SB/08a. A copy of each of the items on the PTO/SB/08a is supplied herewith, except for the twelve issued United States patents.

Applicants previously cited all of these references to the USPTO in previous Information Disclosure Statements, but the references were not considered by the Examiner, for various disclosed and undisclosed reasons, described as follows:

1. The IDS mailed March 26, 2007 and filed March 28, 2007. The Examiner stated that this IDS was in order, but he did not initial one of the references submitted with said IDS (reference AA on the enclosed). Therefore, Applicants are resubmitting reference AA herewith.
2. The IDS mailed April 26, 2007 and filed May 1, 2007. The Examiner did not initial references 1B through 1L. Accordingly, Applicants are resubmitting these references herewith.

The Examiner refused to consider references 1V through 2I, claiming they were illegible. Applicants are hereby resubmitting legible copies of said references. The undersigned has personally inspected the instances of each of these references that are being submitted to the USPTO, and finds them to be legible.

3. The IDS mailed May 2, 2007 and filed May 4, 2007. The Examiner refused to consider reference 2J, which is a DVD. Applicants have made a transcript of the narrative, titles, and headings in the DVD, and hereby submit said transcript for consideration by the Examiner.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, submission of this IDS is not intended to constitute an admission that any patent, publication, or other information referred to herein is "prior art" for this invention, unless specifically designated as such.

In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. It is submitted that this Information Disclosure Statement complies with 37 CFR § 1.98 and MPEP § 609, and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge our Deposit Account No. 19-3140 for any fees required in connection with the filing of this Information Disclosure Statement. This sheet is being submitted in duplicate.

Respectfully submitted,

date of signature:

August 2, 2007



Edward J. Radlo
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Attorney of Record

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enclosures

cc: IP/T docket CH (w.encl.)
J. Yang (DPA-OMNI) (w.encl.)



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/005,105
Filing Date	December 3, 2001
First Named Inventor	Paul C. KOCHER
Art Unit	2132
Examiner Name	Abdulhakim Nobahar
Attorney Docket Number	44424162-8721

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US-5,946,397	08-31-1999	M'Raihi et al.	
	1B	US-4,669,117	05-26-1987	Van Eck	
	1C	US-4,932,057	06-05-1990	Kolbert	
	1D	US-4,937,866	06-26-1990	Crowther et al.	
	1E	US-5,068,894	11-26-1991	Hoppe	
	1F	US-5,086,467	02-04-1992	Malek	
	1G	US-5,157,725	10-20-1992	Lindholm	
	1H	US-5,165,098	11-17-1992	Hoivik	
	1I	US-5,181,243	01-19-1993	Saltwick et al.	
	1J	US-5,216,713	06-01-1993	Lindholm	
	1K	US-5,249,294	09-28-1993	Griffin, III et al.	
	1L	US-5,477,039	12-19-1995	Lisimaque et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
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SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/005,105
				Filing Date	December 3, 2001
				First Named Inventor	Paul C. KOCHER
				Group Art Unit	2132
				Examiner Name	Abdulahkim Nobahar
Sheet	2	of	3	Attorney Docket No.	44424162-8721
OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	1V	GOUTAY, J., "Smart Card Applications in Security and Data Protection", <u>Advances in Cryptology - Eurocrypt '84</u> ; LNCS 209, Springer-Verlag, Berlin, Germany; (1985) pp. 459-463.			
	1W	GUILLOU, L.C. et al., "Smart Card, a Highly Reliable and Portable Security Device", <u>Advances in Cryptology - CRYPTO '86</u> ; LNCS 263, Springer-Verlag, Berlin, Germany; (1987) pp. 464-479.			
	1X	GUILLOU, L.C., "Smart Cards and Conditional Access", <u>Advances in Cryptology - Eurocrypt '84</u> ; LNCS 209, Springer-Verlag, Berlin, Germany; (1985) pp. 480-489.			
	1Y	GUTHERY, Scott, "Smart Cards", www.usenix.org/publications/login/1989-5/guthery.html ; May, 1989.			
	1Z	HIGHLAND, Harold Joseph, "The Tempest over Leaking Computers", <u>Abacus</u> , Vol. 5(2), Winter 1988, pp. 10-18, 53. http://cryptome.org/tempest-leak.htm			
	2A	ISO/IEC 7816 <u>International Standard</u> , Geneva, CH: Part 1 Physical Characteristics (Ref. No. ISO/IEC 7816-1:1998(E)), Part 1 Amendment 1 Physical Characteristics (Ref. No. ISO/IEC 7816-1:1998/AMD.1:2003(E)), and Part 2 Dimensions and location of the contacts (Ref. No. ISO/IEC 7816-2:1999(E)).			
	2B	KRIVACHY, T., "The Chipcard - An Identification Card with Cryptographic Protection", <u>Advances in Cryptology - Eurocrypt '85</u> ; LNCS 219, Springer-Verlag, Berlin, Germany (1986) pp. 200-207.			
Examiner Signature				Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/005,105
				Filing Date	December 3, 2001
				First Named Inventor	Paul C. KOCHER
				Group Art Unit	2132
				Examiner Name	Abdulahakim Nobahar
Sheet	3	of	3	Attorney Docket No.	44424162-8721
OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	2C	KUHN, Markus G. et al., "Soft Tempest: Hidden Data Transmission Using Electromagnetic Emanations", <u>Information Hiding 1989</u> , LNCS 1525, pp. 124-142, Portland, Oregon, April 15-17, 1998, found at http://www.cl.cam.ac.uk/~mgk25/h98-tempest.pdf			
	2D	MENEZES, A.J. et al., <u>Handbook of Applied Cryptography</u> , Chapters 1, 5 and 7; CRC Press, Boca Raton; Florida (1997).			
	2E	MEYER, Carl H. et al., <u>Cryptography: A New Dimension in Computer Data Security</u> ; Ch. 1; John Wiley & Sons, 1982.			
	2F	RANKL et al., <u>Smart Card Handbook</u> , John Wiley & Sons Ltd., 1997, Chs. 2, 3, 8, 13, and pages 84-89 (part of Chapter 4), Chichester, West Sussex, England.			
	2G	SCHMIDT, Dick, "Visions on Developments in Information Security", TNO Conference, Delft, Netherlands, October 2-3, 1997.			
	2H	SMULDERS, Peter, "The Threat of Information Theft by Reception of Electromagnetic Radiation from RS-232 Cables", <u>Computers and Security</u> , Vol. 9, pp. 53-58, 1990; Elsevier Science Publishers Ltd.			
	2I	WAKERLY, John F., "Introduction to Computers and Programming", Chapter 1, pp. 1-16, <u>Microcomputer Architecture and Programming: The 68000 Family</u> , John Wiley & Sons, New York, N.Y. (1989)			
	2J	Transcript of United States Air Force Audio Visual Presentation, "So You Think You're Secure", Aerospace Audio Visual Service; TF32-4599, 1972; Military Airlift Command; TF 6502.			
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